CLAIMS:

1. An electrophoretic display panel for displaying pictures, comprising:
- a first and a second opposed substrate,
- an electrophoretic medium between the substrates, the electrophoretic medium comprising charged particles in a fluid,
- a plurality of pixels, and
- drive means,
the first and the second substrate having for each pixel a first and a second electrode, respectively, for receiving a potential difference determining positions of the charged particles, and
the drive means being able to control the potential difference of each pixel,
characterized in that
the display panel further comprises heating means for heating the medium to a medium temperature in the range of 30 °C and 70 °C.

2. A display panel as claimed in claim 1 characterized in that the heating means comprise:
- a heating element,
- a temperature probe, able to measure the medium temperature, and
- a temperature controller, able to control the heating element, in dependence of the measured medium temperature.

3. A display panel as claimed in claim 2 characterized in that the heating element is able to heat the medium via the first substrate.

4. A display panel as claimed in claim 3 characterized in that the first substrate has a heat conducting layer, covering at least a portion of a surface of the first substrate and being in contact with the heating element.